ANALYTICAL REPORT

Eurofins TestAmerica, Houston 6310 Rothway Street Houston, TX 77040 Tel: (713)690-4444

Laboratory Job ID: 600-185398-1

Client Project/Site: ITC WW-20190512-002-Day 10 05-12-19

For:

Cardno, Inc 970 Wedgewood Drive Crystal Lake, Illinois 60014

Attn: Ms. Cheryl Hennessy

Dean a Jonen

Authorized for release by: 5/28/2019 10:12:28 PM

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Job ID: 600-185398-1

Laboratory: Eurofins TestAmerica, Houston

Narrative

Job Narrative 600-185398-1

Comments

No additional comments.

Receipt

The samples were received on 5/13/2019 4:02 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 4.4° C and 5.0° C.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

HPLC/IC

Method(s) 531.1: The laboratory control sample (LCS) associated with analytical batch 680-571548 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method(s) 531.1: The continuing calibration verification (CCV) associated with batch 680-571548 recovered outside acceptance criteria, low biased, for Carbaryl. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 531.1: This sample failed high for ISTD and was a non detected. This sample has been reported.

WW-20190512-002-Day 10 (600-185398-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method(s) 8081A: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 600-265085 and analytical batch 600-265202 recovered outside control limits for the following analytes: Dicofol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 608: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 600-265085 and analytical batch 600-265203 recovered outside control limits for the following analytes: Dicofol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 608: The continuing calibration verification (CCV) associated with batch 600-265203 recovered above the upper control limit for Toxaphene(55.3%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 600-265203/5).

Method(s) 8081A: The continuing calibration verification (CCV) associated with batch 600-265202 recovered above the upper control limit for Toxaphene(56.5%). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 600-265202/5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with method Nonylphenols aqueous in preparation batch 320-296808.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Method Summary

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method	Method Description	Protocol	Laboratory
625	Semivolatile Organic Compounds (GC/MS)	40CFR136A	TAL CC
Organotins/GCMS	Organotins (GC/MS)	TAL SOP	TAL BUR
WS-MS-0010	Nonylphenols	TAL SOP	TAL SAC
608	Organochlorine Pesticides in Water	40CFR136A	TAL HOU
8081A	Organochlorine Pesticides (GC)	SW846	TAL HOU
531.1	Carbamate Pesticides (HPLC)	EPA	TAL SAV
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUR
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL SAC
3510C LVI	Liquid-Liquid Extraction (Separatory Funnel) LVI	SW846	TAL HOU
608	Liquid-Liquid Extraction (Separatory Funnel)	40CFR136A	TAL HOU
CWA_Prep_CLLE	Liquid-Liquid Extraction (Continuous)	40CFR136A	TAL CC

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TAL CC = Eurofins TestAmerica, Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

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Sample Summary

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
600-185398-1	WW-20190512-002-Day 10	Water	05/12/19 11:30	05/13/19 16:02	

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Client Sample Results

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Client Sample ID: WW-20190512-002-Day 10 Lab Sample ID: 600-185398-1

Date Collected: 05/12/19 11:30 Matrix: Water Date Received: 05/13/19 16:02

Method: 625 - Semivolatile Or ^{Analyte}		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.861	U	10.0	0.861	ug/L		05/17/19 15:00	05/20/19 09:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	86	·	26 - 120				05/17/19 15:00	05/20/19 09:07	
2-Fluorobiphenyl	82		22 - 120				05/17/19 15:00	05/20/19 09:07	1
Terphenyl-d14	86		10 - 134				05/17/19 15:00	05/20/19 09:07	1
Phenol-d5 (Surr)	81		10 - 120				05/17/19 15:00	05/20/19 09:07	1
2-Fluorophenol	78		10 - 120				05/17/19 15:00	05/20/19 09:07	1
2,4,6-Tribromophenol	78		24 - 131				05/17/19 15:00	05/20/19 09:07	1
Method: Organotins/GCMS - 0	Organotins ((GC/MS)							
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tributyltin	0.0446	U	0.0446	0.0446	ug/L		05/17/19 13:00	05/22/19 12:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tripentyltin	90		15 - 150				05/17/19 13:00	05/22/19 12:40	1
Method: WS-MS-0010 - Nonyl	phenols								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Nonylphenol	1.60	U	5.01	1.60	ug/L		05/24/19 12:45	05/24/19 23:23	
Bisphenol-A	0.321	U	1.00	0.321	ug/L		05/24/19 12:45	05/24/19 23:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-nonylphenol monoethoxylate (Surr)	70		47 - 138				05/24/19 12:45	05/24/19 23:23	1
Method: 608 - Organochlorine	Pesticides	in Water							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dicofol	2.00	U *	2.00	2.00	ug/L		05/15/19 08:42	05/16/19 19:52	1
Mirex	0.0200	U	0.200	0.0200	ug/L		05/15/19 08:42	05/16/19 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Tetrachloro-m-xylene	97		32 - 143				05/15/19 08:42	05/16/19 19:52	
DCB Decachlorobiphenyl	76		36 - 144				05/15/19 08:42	05/16/19 19:52	
Method: 8081A - Organochlor									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fa
Aldrin	0.0120		0.100	0.0120	_			05/16/19 19:52	1
Dieldrin -	0.0140		0.200	0.0140	_			05/16/19 19:52	1
Toxaphene	4.88		10.0		ug/L			05/16/19 19:52	1
Dicofol	0.200		0.200	0.200	•			05/16/19 19:52	1
Mirex	0.0200	U	0.200	0.0200	ug/L		05/15/19 08:42	05/16/19 19:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		36 - 144				05/15/19 08:42	05/16/19 19:52	1
Tetrachloro-m-xylene	97		32 - 143				05/15/19 08:42	05/16/19 19:52	1
Method: 531.1 - Carbamate Pe	esticides (H	PLC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

5/28/2019

05/25/19 00:55

2.50

0.250 ug/L

0.250 U *

Carbaryl

Definitions/Glossary

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Qualifiers

GC/MS Semi VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS or LCSD is outside acceptance limits.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

LCS or LCSD is outside acceptance limits.

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly	/ used abbreviations ma	y or may not be	present in this report.
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¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery **CFL** Contains Free Liquid **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DΙ

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample DL, RA, RE, IN

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) MI

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC **Quality Control**

Relative Error Ratio (Radiochemistry) RER

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

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Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method: 625 - Semivolatile Organic Compounds (GC/MS)

Matrix: Water Prep Type: Total/NA

_			Pe	Percent Surrogate Recovery (Acceptance Limit				
		NBZ	FBP	TPHL	PHL	2FP	TBP	
Lab Sample ID	Client Sample ID	(26-120)	(22-120)	(10-134)	(10-120)	(10-120)	(24-131)	
600-185398-1	WW-20190512-002-Day 10	86	82	86	81	78	78	
LCS 560-162753/2-A	Lab Control Sample	85	82	92	83	80	90	
LCSD 560-162753/3-A	Lab Control Sample Dup	86	85	93	85	79	88	
MB 560-162753/1-A	Method Blank	83	79	88	78	75	81	

Surrogate Legend

NBZ = Nitrobenzene-d5

FBP = 2-Fluorobiphenyl

TPHL = Terphenyl-d14

PHL = Phenol-d5 (Surr)

2FP = 2-Fluorophenol

TBP = 2,4,6-Tribromophenol

Method: Organotins/GCMS - Organotins (GC/MS)

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		TPTT	
Lab Sample ID	Client Sample ID	(15-150)	
600-185398-1	WW-20190512-002-Day 10	90	
LCS 200-143150/2-A	Lab Control Sample	85	
LCSD 200-143150/3-A	Lab Control Sample Dup	97	
MB 200-143150/1-A	Method Blank	83	
Surrogate Legend			
TPTT = Tripentyltin			

Method: WS-MS-0010 - Nonylphenols

Matrix: Water Prep Type: Total/NA

			Percent Surrogate Recovery (Acceptance Limits)
		4NPME	
Lab Sample ID	Client Sample ID	(47-138)	
600-185398-1	WW-20190512-002-Day 10	70	
LCS 320-296808/2-A	Lab Control Sample	100	
LCSD 320-296808/3-A	Lab Control Sample Dup	104	
MB 320-296808/1-A	Method Blank	76	
Surrogate Legend			

Method: 608 - Organochlorine Pesticides in Water

Matrix: Water Prep Type: Total/NA

		TCX1	DCBP1		
Lab Sample ID	Client Sample ID	(32-143)	(36-144)		
600-185398-1	WW-20190512-002-Day 10	97	76		
LCS 600-265085/2-A	Lab Control Sample	87	89		
LCS 600-265085/9-A	Lab Control Sample	94	102		
LCSD 600-265085/10-A	Lab Control Sample Dup	90	98		
LCSD 600-265085/3-A	Lab Control Sample Dup	80	90		

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Surrogate Summary

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method: 608 - Organochlorine Pesticides in Water (Continued)

Matrix: Water Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)				
Lak Garanta IB	Olland Oannala ID	TCX1	DCBP1			
Lab Sample ID	Client Sample ID	(32-143)	(36-144)			
MB 600-265085/1-A	Method Blank	68	79			
Surrogate Legend						
TCX = Tetrachloro-m-	xylene					
DCBP = DCB Decach	lorobiphenyl					

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Water Prep Type: Total/NA

			Percei	nt Surrogate Recovery (Acceptance Limits)
		DCBP1	TCX1	
Lab Sample ID	Client Sample ID	(36-144)	(32-143)	
600-185398-1	WW-20190512-002-Day 10	76	97	
LCS 600-265085/2-A	Lab Control Sample	89	87	
LCS 600-265085/9-A	Lab Control Sample	102	94	
LCSD 600-265085/10-A	Lab Control Sample Dup	98	90	
LCSD 600-265085/3-A	Lab Control Sample Dup	90	80	
MB 600-265085/1-A	Method Blank	79	68	
Surrogate Legend				

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

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Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

2,4,5-Trichlorophenol

Method: 625 - Semivolatile Organic Compounds (GC/MS)

0.861 U

Lab Sample ID: MB 560-162753/1-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA **Analysis Batch: 162775 Prep Batch: 162753**

MR MR Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Analyte 10.0

0.861 ug/L

05/17/19 15:00 05/20/19 06:14

MB MB Qualifier Dil Fac Surrogate %Recovery Limits Prepared Analyzed Nitrobenzene-d5 05/17/19 15:00 05/20/19 06:14 83 26 - 120 79 2-Fluorobiphenyl 22 - 120 05/17/19 15:00 05/20/19 06:14 Terphenyl-d14 88 10 - 134 05/17/19 15:00 05/20/19 06:14 Phenol-d5 (Surr) 78 10 - 120 05/17/19 15:00 05/20/19 06:14 2-Fluorophenol 75 10 - 120 05/17/19 15:00 05/20/19 06:14 2,4,6-Tribromophenol 81 24 - 131 05/17/19 15:00 05/20/19 06:14

Lab Sample ID: LCS 560-162753/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA

Analysis Batch: 162775 Prep Batch: 162753 LCS LCS Spike %Rec.

Added Analyte Result Qualifier Unit %Rec Limits 200 2,4,5-Trichlorophenol 167.1 ug/L 84 50 - 120

LCS LCS Surrogate %Recovery Qualifier Limits Nitrobenzene-d5 85 26 - 120 2-Fluorobiphenyl 82 22 - 120 Terphenyl-d14 92 10 - 134 Phenol-d5 (Surr) 83 10 - 120 2-Fluorophenol 80 10 - 120 2,4,6-Tribromophenol 90 24 - 131

Lab Sample ID: LCSD 560-162753/3-A **Client Sample ID: Lab Control Sample Dup Matrix: Water** Prep Type: Total/NA

Analysis Batch: 162775 Prep Batch: 162753 LCSD LCSD **RPD** Spike %Rec.

Added Analyte Result Qualifier Unit %Rec Limits **RPD** Limit 2,4,5-Trichlorophenol 200 83 50 - 120 40.0 165.1 ug/L

LCSD LCSD Surrogate %Recovery Qualifier Limits Nitrobenzene-d5 86 26 - 120 85 2-Fluorobiphenyl 22 - 120 93 10 - 134 Terphenyl-d14 Phenol-d5 (Surr) 85 10 - 120 2-Fluorophenol 79 10 - 120 88 2,4,6-Tribromophenol 24 - 131

Method: Organotins/GCMS - Organotins (GC/MS)

Lab Sample ID: MB 200-143150/1-A Client Sample ID: Method Blank **Matrix: Water**

Prep Type: Total/NA **Analysis Batch: 143256 Prep Batch: 143150**

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac 0.0450 U Tributyltin 0.0450 0.0450 ug/L 05/17/19 13:00 05/22/19 11:14

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Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method: Organotins/GCMS - Organotins (GC/MS) (Continued)

		MB	MB			
	Surrogate	%Recovery	Qualifier	Limits	Prepared Analyz	ed Dil Fac
l	Tripentyltin	83		15 - 150	05/17/19 13:00 05/22/19	11:14 1

Lab Sample ID: LCS 200-143150/2-A **Client Sample ID: Lab Control Sample Matrix: Water** Prep Type: Total/NA **Analysis Batch: 143256 Prep Batch: 143150** LCS LCS Spike %Rec. Added Limits Analyte Result Qualifier Unit D %Rec

0.3636

ua/L

82

30 - 150

Prep Type: Total/NA

0.445

LCS LCS Surrogate %Recovery Qualifier Limits 15 - 150 Tripentyltin 85

Lab Sample ID: LCSD 200-143150/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Water

Analysis Batch: 143256

Client: Cardno, Inc

Tributyltin

Prep Batch: 143150 Spike LCSD LCSD %Rec. **RPD** Added Analyte Result Qualifier Limits RPD Limit Unit D %Rec Tributyltin 0.445 0.3957 ug/L 89 30 - 150 8 30

LCSD LCSD Surrogate %Recovery Qualifier Limits 15 - 150 Tripentyltin 97

Method: WS-MS-0010 - Nonylphenols

Lab Sample ID: MB 320-296808/1-A Client Sample ID: Method Blank **Matrix: Water** Prep Type: Total/NA **Prep Batch: 296808**

Analysis Batch: 296960

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nonylphenol	1.60	U	5.00	1.60	ug/L		05/24/19 12:45	05/24/19 19:45	1
Bisphenol-A	0.320	U	1.00	0.320	ug/L		05/24/19 12:45	05/24/19 19:45	1

MB MB Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 47 - 138 05/24/19 12:45 05/24/19 19:45 4-nonylphenol monoethoxylate (Surr) 76

Lab Sample ID: LCS 320-296808/2-A

Matrix: Water Analysis Batch: 296960 LCS LCS

MR MR

Spike Added Analyte Result Qualifier Unit D %Rec Limits Nonylphenol 24.0 21.17 ug/L 88 35 - 133 ug/L Bisphenol-A 4.80 4.145 86 42 - 120

LCS LCS Limits Surrogate %Recovery Qualifier 100 47 - 138 4-nonylphenol monoethoxylate

(Surr)

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Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method: WS-MS-0010 - Nonylphenols (Continued)

Lab Sample ID: LCSD 320-296808/3-A

Matrix: Water

Analysis Batch: 296960

				Prep Ty		•	
				Prep B	atch: 29	808	
SD				%Rec.		RPD	
alifier	Unit	D	%Rec	Limits	RPD	Limit	

Client Sample ID: Lab Control Sample Dup

	Spir	te LCSD	LCOD			70	Rec.		KPD
Analyte	Adde	ed Result	Qualifier	Unit	D %R	ec Li	mits	RPD	Limit
Nonylphenol		.0 21.11		ug/L		88 35	5 - 133		35
Bisphenol-A	4.8	3.228		ug/L		67 42	2 - 120	25	35

LCSD LCSD

%Recovery Qualifier Surrogate Limits 47 - 138 4-nonylphenol monoethoxylate 104

(Surr)

Method: 608 - Organochlorine Pesticides in Water

Lab Sample ID: MB 600-265085/1-A

Matrix: Water

Analysis Batch: 265203

MB MB

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 265085

Result Qualifier RL **MDL** Unit Analyte D **Prepared** Analyzed Dil Fac 2.00 ug/L Dicofol 2.00 U 2.00 05/15/19 08:41 05/16/19 16:37 Mirex 0.0200 U 0.200 0.0200 ug/L 05/15/19 08:41 05/16/19 16:37

MB MB Limits Dil Fac Surrogate %Recovery Qualifier Prepared Analyzed Tetrachloro-m-xylene 68 32 - 143 05/15/19 08:41 05/16/19 16:37 DCB Decachlorobiphenyl 79 36 - 144 05/15/19 08:41 05/16/19 16:37

LCS LCS

Lab Sample ID: LCS 600-265085/2-A

Matrix: Water

Analysis Batch: 265203

Client Sample ID: Lab Control Sample Prep Type: Total/NA **Prep Batch: 265085**

%Rec.

Spike Added Analyte Result Qualifier Unit D %Rec Limits Aldrin 1.00 1.195 ug/L 119 42 - 122 Dieldrin 1.00 1.306 ug/L 131 36 - 146

LCS LCS Limits Surrogate %Recovery Qualifier 32 - 143 Tetrachloro-m-xylene 87 DCB Decachlorobiphenyl 89 36 - 144

Lab Sample ID: LCS 600-265085/9-A

Matrix: Water

Analysis Batch: 265203

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 265085

%Rec.

Spike LCS LCS Analyte Added Result Qualifier Unit D %Rec Limits Dicofol 4.00 6.908 173 70 - 130 ug/L 3.250 Mirex 4.00 ug/L 81

LCS LCS

Surrogate	%Recovery Qualifier	Limits
Tetrachloro-m-xylene	94	32 - 143
DCB Decachlorobiphenyl	102	36 - 144

Spike

Added

4.00

4.00

Client: Cardno, Inc Job ID: 600-185398-1

LCSD LCSD

LCSD LCSD

7.007

3.324

Result Qualifier

Unit

ug/L

ug/L

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method: 608 - Organochlorine Pesticides in Water (Continued)

Lab Sample ID: LCSD 600-265085/10-A

Matrix: Water

Analyte

Dicofol

Mirex

Analysis Batch: 265203

Client	Sampl	e ID:	Lab	Contr	ol S	Sampl	e C)up
				Prep '	Typ	e: To	tal	NA

Prep Batch: 265085

%Rec. **RPD** %Rec Limits RPD Limit 175 70 - 130 20 1 83 2

LCSD LCSD

%Recovery Qualifier Limits Surrogate 32 - 143 Tetrachloro-m-xylene 90 DCB Decachlorobiphenyl 98 36 - 144

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Lab Sample ID: LCSD 600-265085/3-A

Analysis Batch: 265203

Prep Type: Total/NA

Prep Batch: 265085 %Rec. **RPD**

Spike Added Result Qualifier Limits RPD Limit **Analyte** Unit D %Rec Aldrin 1.00 1.211 121 42 - 122 20 ug/L Dieldrin 1.00 1.339 36 - 146 20 ug/L 134 2

LCSD LCSD

Surrogate %Recovery Qualifier Limits 32 - 143 Tetrachloro-m-xylene 80 90 36 - 144 DCB Decachlorobiphenyl

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 600-265085/1-A

Matrix: Water

Analysis Batch: 265202

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 265085**

	INIB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0120	U	0.100	0.0120	ug/L		05/15/19 08:41	05/16/19 16:37	1
Dieldrin	0.0140	U	0.200	0.0140	ug/L		05/15/19 08:41	05/16/19 16:37	1
Toxaphene	4.88	U	10.0	4.88	ug/L		05/15/19 08:41	05/16/19 16:37	1
Dicofol	0.200	U	0.200	0.200	ug/L		05/15/19 08:41	05/16/19 16:37	1
Mirex	0.0200	U	0.200	0.0200	ug/L		05/15/19 08:41	05/16/19 16:37	1

MB MB

Surrogate %Recovery Qualifier Limits Prepared Dil Fac Analyzed DCB Decachlorobiphenyl 79 36 - 144 05/15/19 08:41 05/16/19 16:37 32 - 143 05/15/19 08:41 05/16/19 16:37 Tetrachloro-m-xylene 68

Lab Sample ID: LCS 600-265085/2-A

Matrix: Water

Analysis Batch: 265202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA **Prep Batch: 265085**

%Rec.

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Aldrin 1.00 1.195 ug/L 66 - 150 119 Dieldrin 1.00 1.306 ug/L 131 63 - 150

LCS LCS

%Recovery Qualifier Limits Surrogate DCB Decachlorobiphenyl 89 36 - 144 32 - 143 Tetrachloro-m-xylene 87

Eurofins TestAmerica, Houston

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Client: Cardno, Inc Job ID: 600-185398-1

Spike

Added

4.00

4.00

Limits 36 - 144

32 - 143

Spike

Added

4.00

4.00

Limits 36 - 144

32 - 143

Spike

Added

1.00

1.00

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

LCS LCS %Recovery Qualifier

102

94

LCSD LCSD

%Recovery Qualifier

98

90

Lab Sample ID: LCS 600-265085/9-A

Matrix: Water

Analyte

Dicofol

Mirex

Surrogate

Analyte

Dicofol

Mirex

Surrogate

Analyte

Aldrin

Dieldrin

Analysis Batch: 265202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 265085

%Rec. %Rec Limits 70 - 130 146

70 - 130

D %Rec

148

83

81

Lab Sample ID: LCSD 600-265085/10-A

Matrix: Water

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Analysis Batch: 265202

Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

LCSD LCSD

LCSD LCSD

1.211

1.339

Result Qualifier

5.934

3.324

Result Qualifier

LCS LCS

5.855

3.250

Result Qualifier

Unit

ug/L

ug/L

Unit

ug/L

ug/L

Unit

ug/L

ug/L

Prep Batch: 265085 %Rec.

RPD Limits RPD Limit 70 - 130

20 20

70 - 130 2

Lab Sample ID: LCSD 600-265085/3-A

Matrix: Water

DCB Decachlorobiphenyl

Tetrachloro-m-xylene

Analysis Batch: 265202

Client Sample ID: Lab Control Sample Dup

134

Prep Type: Total/NA

Prep Batch: 265085 %Rec. **RPD**

2

20

RPD Limit %Rec Limits 121 66 - 150 1 20

LCSD LCSD %Recovery Qualifier Limits

Surrogate DCB Decachlorobiphenyl 90 36 - 144 Tetrachloro-m-xylene 80 32 - 143

Method: 531.1 - Carbamate Pesticides (HPLC)

Lab Sample ID: MB 680-571548/4

Matrix: Water

Analysis Batch: 571548

Client Sample ID: Method Blank

63 - 150

Prep Type: Total/NA

MR MR

Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Carbaryl 0.250 U 2.50 0.250 ug/L 05/24/19 14:26

Lab Sample ID: LCS 680-571548/5

Matrix: Water

Client Sample ID: Lab Control Sample

%Rec.

Limits

80 - 120

Prep Type: Total/NA

Analysis Batch: 571548 Spike LCS LCS Added Analyte Result Qualifier Unit D %Rec 10.0 7.601 76 Carbaryl ug/L

Eurofins TestAmerica, Houston

QC Sample Results

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Method: 531.1 - Carbamate Pesticides (HPLC) (Continued)

Lab Sample ID: LCSD 680-571548/6 **Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA**

Matrix: Water

Analysis Batch: 571548

•	Spil	e LCSD	LCSD				%Rec.		RPD
Analyte	Adde	d Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Carbaryl		0 8.951		ug/L	_	90	80 - 120	16	20

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

GC/MS Semi VOA

Prep Batch: 143150	Pre	рΒ	atc	h: 1	431	50
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	3510C	
MB 200-143150/1-A	Method Blank	Total/NA	Water	3510C	
LCS 200-143150/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 200-143150/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 143256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	Organotins/GCM S	143150
MB 200-143150/1-A	Method Blank	Total/NA	Water	Organotins/GCM S	143150
LCS 200-143150/2-A	Lab Control Sample	Total/NA	Water	Organotins/GCM S	143150
LCSD 200-143150/3-A	Lab Control Sample Dup	Total/NA	Water	Organotins/GCM S	143150

Prep Batch: 162753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	CWA_Prep_CLL E	
MB 560-162753/1-A	Method Blank	Total/NA	Water	CWA_Prep_CLL E	
LCS 560-162753/2-A	Lab Control Sample	Total/NA	Water	CWA_Prep_CLL E	
LCSD 560-162753/3-A	Lab Control Sample Dup	Total/NA	Water	CWA_Prep_CLL E	

Analysis Batch: 162775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	625	162753
MB 560-162753/1-A	Method Blank	Total/NA	Water	625	162753
LCS 560-162753/2-A	Lab Control Sample	Total/NA	Water	625	162753
LCSD 560-162753/3-A	Lab Control Sample Dup	Total/NA	Water	625	162753

Prep Batch: 296808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	3510C	
MB 320-296808/1-A	Method Blank	Total/NA	Water	3510C	
LCS 320-296808/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 320-296808/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 296960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	WS-MS-0010	296808
MB 320-296808/1-A	Method Blank	Total/NA	Water	WS-MS-0010	296808
LCS 320-296808/2-A	Lab Control Sample	Total/NA	Water	WS-MS-0010	296808
LCSD 320-296808/3-A	Lab Control Sample Dup	Total/NA	Water	WS-MS-0010	296808

GC Semi VOA

Prep Batch: 265085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	608	<u> </u>

Eurofins TestAmerica, Houston

5/28/2019

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QC Association Summary

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

GC Semi VOA (Continued)

Prep Batch: 265085 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-265085/1-A	Method Blank	Total/NA	Water	608	
LCS 600-265085/2-A	Lab Control Sample	Total/NA	Water	608	
LCS 600-265085/9-A	Lab Control Sample	Total/NA	Water	608	
LCSD 600-265085/10-A	Lab Control Sample Dup	Total/NA	Water	608	
LCSD 600-265085/3-A	Lab Control Sample Dup	Total/NA	Water	608	

Analysis Batch: 265202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	8081A	265085
MB 600-265085/1-A	Method Blank	Total/NA	Water	8081A	265085
LCS 600-265085/2-A	Lab Control Sample	Total/NA	Water	8081A	265085
LCS 600-265085/9-A	Lab Control Sample	Total/NA	Water	8081A	265085
LCSD 600-265085/10-A	Lab Control Sample Dup	Total/NA	Water	8081A	265085
LCSD 600-265085/3-A	Lab Control Sample Dup	Total/NA	Water	8081A	265085

Analysis Batch: 265203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	608	265085
MB 600-265085/1-A	Method Blank	Total/NA	Water	608	265085
LCS 600-265085/2-A	Lab Control Sample	Total/NA	Water	608	265085
LCS 600-265085/9-A	Lab Control Sample	Total/NA	Water	608	265085
LCSD 600-265085/10-A	Lab Control Sample Dup	Total/NA	Water	608	265085
LCSD 600-265085/3-A	Lab Control Sample Dup	Total/NA	Water	608	265085

HPLC/IC

Analysis Batch: 571548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-185398-1	WW-20190512-002-Day 10	Total/NA	Water	531.1	
MB 680-571548/4	Method Blank	Total/NA	Water	531.1	
LCS 680-571548/5	Lab Control Sample	Total/NA	Water	531.1	
LCSD 680-571548/6	Lab Control Sample Dup	Total/NA	Water	531.1	

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Lab Chronicle

Job ID: 600-185398-1 Client: Cardno, Inc

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Client Sample ID: WW-20190512-002-Day 10

Lab Sample ID: 600-185398-1

Date Collected: 05/12/19 11:30 **Matrix: Water** Date Received: 05/13/19 16:02

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	CWA_Prep_CLLE			250 mL	1 mL	162753	05/17/19 15:00	OV56	TAL CC
Total/NA	Analysis	625		1			162775	05/20/19 09:07	GEF	TAL CC
Total/NA	Prep	3510C			1010 mL	5 mL	143150	05/17/19 13:00	CSB	TAL BUR
Total/NA	Analysis	Organotins/GCMS		1			143256	05/22/19 12:40	A1B	TAL BUR
Total/NA	Prep	3510C			997.8 mL	0.5 mL	296808	05/24/19 12:45	TWL	TAL SAC
Total/NA	Analysis	WS-MS-0010		1			296960	05/24/19 23:23	M1A	TAL SAC
Total/NA	Prep	608			250 mL	5.0 mL	265085	05/15/19 08:42	LER	TAL HOU
Total/NA	Analysis	608		1			265203	05/16/19 19:52	JAL	TAL HOU
Total/NA	Prep	608			250 mL	5.0 mL	265085	05/15/19 08:42	LER	TAL HOU
Total/NA	Analysis	8081A		1			265202	05/16/19 19:52	JAL	TAL HOU
Total/NA	Analysis	531.1		1	1 mL	1 mL	571548	05/25/19 00:55	UI	TAL SAV

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990 TAL CC = Eurofins TestAmerica, Corpus Christi, 1733 N. Padre Island Drive, Corpus Christi, TX 78408, TEL (361)289-2673

TAL HOU = Eurofins TestAmerica, Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

TAL SAC = Eurofins TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Accreditation/Certification Summary

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Laboratory: Eurofins TestAmerica, Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program		EPA Region	Identification Number	Expiration Date
Texas	NELAP		6	T104704223-18-23	10-31-19
the agency does not o	offer certification.	•	•		list may include analytes for whic
Analysis Method	Prep Method	Matrix	Analyt	e	
000	608	Water	Dicofo		
608	000	vvalei	DICOIO	I	
608	608	Water	Mirex	I	

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	DoD		L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-20
Florida	NELAP	4	E87467	06-30-19 *
Minnesota	NELAP	5	050-999-436	12-31-19
New Hampshire	NELAP	1	2006	12-18-19
New Jersey	NELAP	2	VT972	06-30-19 *
New York	NELAP	2	10391	04-01-20
Pennsylvania	NELAP	3	68-00489	04-30-20
Rhode Island	State Program	1	LAO00298	12-30-19
US Fish & Wildlife	Federal		LE-058448-0	07-31-19
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-19
Virginia	NELAP	3	460209	12-14-19

Laboratory: Eurofins TestAmerica, Corpus Christi

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority Oklahoma	Program State Program	EPA Region	Identification Number 2018-070	Expiration Date 08-31-19
Texas	NELAP	6	T104704210-19-23	03-31-20
USDA	Federal		P330-18-00314	10-31-21

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program		EPA Region	Identification Number	Expiration Date
Texas	NELAP		6	T104704399	05-31-19
The following analyte	a ara inaludad in thia rana	rt but the leberators	in make a matificant last the	a arangamatan angkandiko. Tist	
the agency does not	'	it, but the laboratory	is not certified by the	e governing authority. Thi	s list may include analytes for w
0 ,	'	Matrix	Analyt	,	s list may include analytes for w
the agency does not o	offer certification.	•	,	re	s list may include analytes for w

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^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: Cardno, Inc Job ID: 600-185398-1

Project/Site: ITC WW-20190512-002-Day 10 05-12-19

Laboratory: Eurofins TestAmerica, Savannah

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program		EPA Region	Identification Number	Expiration Date
Texas	NELAP		6	T104704185-16-9	11-30-19
The following analyte	are included in this repo	ert but the laboratory	s not cortified by the	o governing authority. This	list may include an
,	•	ort, but the laboratory	s not certified by the	e governing authority. This	list may include an
the agency does not	offer certification.	•	ŕ		list may include an
,	•	rt, but the laboratory	s not certified by the		ilist may include an

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Eurofins TestAmerica, Houston

6310 Rothway Street

Chain of Custody Record

eurofins

Houston, TX 77040 Phone (713) 690-4444 Fax (713) 690-5646

Client Information	Sampler IIIa,	R.FR	122011	Lab I Join	PM: ner, De	ean A					C	Carrier Tracki	ng No(s):		COC No: 600-68	340-186	74.1	
Client Contact: Ms. Cheryl Hennessy	Phone:	•		E-Ma	ail: an.joine	er@te	estame	ericair	oc cor	n					Page: Page 1	of 1		
Company:				1000	T	01601	o turi.	orroun			_				Job#:	-		
Cardno, Inc Address:	Due Date Requested	1.			+	_	_		Ana	alysis	Requ	ested	_	Т	Presen	ration Co	des.	
970 Wedgewood Drive	Due Date Nequester							1	1		11	1 1		1 1	A - HCL		M - Hexane	
City: Crystal Lake	TAT Requested (day	/s): T Request	ed (days):		11										B - NaO C - Zn A		N - None O - AsNaO2	
State, Zip:		ricquest	ou (uuys).		11							1 1			D - Nitri	Acid	P - Na2O4S	
IL, 60014	PO#				41	3			1						E - NaH F - MeC	H	Q - Na2SO3 R - Na2S2O3	
Phone:	Purchase Order	Requested			9										G - Amo	hlor orbic Acid	S - H2SO4 T - TSP Dodec	ahydrate
Email: cheryl.randle@cardno.com	WO #:				10 3	9	-		t List					1 9	I - Ice J - DI W	ater	U - Acetone V - MCAA	
Project Name:	Project #:				3e	or No)	TBT Only		rojec	ist				orginia	K-EDT	A	W - pH 4-5 Z - other (spec	60
ITC Deer Park Water Samples	60010840 Analy	tical Grp: V	Vater Samples		- Be	(Yes	181		D) P.	E I	1		1	1 40	Other:		Z - otner (spec	(y)
Site:	550VV#:				Sam	USD I	GCMS	-	(MO	Cust	10			1 2	5			
			Sample	Matrix	Bred	Perform MS/MSD (Yes	s GC	531.1 - Carbaryl	Nonyiphenols - (MOD) Project List	8270C - (MOD) Custom List	000			Total Minhol	agu			
			Type	(W=water, S=solid,	F	E	Organotins	Ca	pher	- S	1	3008		1				
Sample Identification	Sample Date	Sample Time		=waste/oil, Tissue, A=Ale	Field	Perfor	Organ	331.1	Nony	32700	1	98		1 3	DIO .	Special	nstructions/N	ote:
Sample Identification	- Sumple Batte	>	Preservation		X	XN				N	+ 1	Chain		5		poolar		
WW.20190512.002-Day 10	5/12/19	1120	C	Water	04 1	d	XX	x	X	×		of _		10	9			
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				Water	+	-	_		_						9			
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Possible Hazard Identification						Sami	ole Dis	sposa	I(A	fee ma	v be a	ssessed it	samples	are reta	ined lone	er than	1 month)	
Non-Hazard Flammable Skin Irritant	Poison B Unknow	wn 🗔	adiological		ľ		7	n To				isposal By			chive For		Months	
Deliverable Requested: I, II, III, IV, Other (specify)			- Annual Control		1	Spec					iremen	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN						
Empty Kit Relinquished by:		Date:		-	Tim	ne:	-	_	_	-	-	Method	of Shipment		_			_
			Co	preany	1		eceived	6y: \	-	7			Date/Tim		-		Company	
Relipersiched by:	5/13/19	3	115	ENDO	Inp		-	D)	60	10	1		5	13-	19	215	Company SOC	2
Relinquished	Date/fime:	4	10200	mpany	205	R	ecelved	3	1	~	_		Date/Time	73	P	1602	Company	
Relinquished by:	Date/Time:			mpany		R	eceived	by:)			Date/Tim	ie:	V .	- William	Company	
Custody Seals Intact: Custody Seal No.:						-	onler T		/	°C ==d '	Other Re	marks:						
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No						1	OOIET 1	anpera	ure(s)	C and (other Ke	marks.						

Sample Receipt Ch. 185398

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THE LEADE	R IN ENV	RONMENT	AL TESTING

6		5-	1379	16:02
JOB NUMBER:	CLIENT:	Ca	da	
UNPACKED BY:	CARRIER/DRIVER:		2	
Custody Seal Present: YES NO	Number of Coolers Re	eceived:	2	
Cooler ID Blank Trip Blank / N Y / N / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N Y / N	Observed Temp (°C) 4.6 5.2	Therm ID	Them CF	Corrected Temp (℃) 4.4 3-0
Y / N Y N	2/~			
CF = correction factor	Die			
pH paper Lot #	EQUIRED: NO	Sec.	YES [□NO
			_	YES NO
Did samples meet the laboratory's standard conditions	of sample acceptability u	pon receipt?		
COMMENTS:				
	3			
	4919			

HS-SA-WI-013

Rev. 3; 07/01/2014

Eurofins TestAmerica, Houston

6310 Rothway Street Houston, TX 77040

Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record



💸 eurofins

Environment Testing TestAmerica

**************************************																_	_		
Client Information (Sub Contract Lab)	Sampler:			Lab PM Joiner		- n A												COC No:	
Client Information (Sub Contract Lab) Client Contact:	Phone:			E-Mail:	, Dea	an A					1						_	600-39525.1	
Shipping/Receiving	rnone.			idean.j	oiner	:Otes	famo	ricain	ccom			Texa:	of Origin	n:				Page:	
Company:									e note)		1	I CAA						Page 1 of 1 Job #:	
TestAmerica Laboratories, Inc.						P - Te		(00										600-185398-1	
Address:	Due Date Requeste	d:																Preservation Cod	96.
30 Community Drive, Suite 11,	5/20/2019								Anal	lysis	Reg	uest	ed				- 1		
City:	TAT Requested (da	ys):		9	2ĝ		ΠŤ			<u> </u>	ΤТ			\top	\top		\Box	A - HCL B - NaOH	M - Hexane N - None
South Burlington				i i			1 1				1 1						1 1	C - Zn Acetate	O - AsNaO2
State, Zip:	1			-			1 1	1									-	D - Nitric Acid	P - Na2O4S
VT, 05403					*06.	_												E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3
Phone:	PO #:				7	5										!		G - Amchlor	S - H2SO4
802-660-1990(Tel) 802-660-1919(Fax) Email:	1410.11				<u> </u>	Ħ							-	ļ		!		H - Ascorbic Acid	T - TSP Dodecahydrate
Email:	WO #:					<u> </u>	1 1		ļ	1			1	1		!	1 1	I - Ice J - DI Water	U - Acetone V - MCAA
Project Name:	Project #:				ŝ	♀				ļ		- 1				!	8	K - EDTA	W - pH 4-5
ITC WW-20190512-002-Day 10 05-12-19	60010840			8	Ę	ပ္										!	등	L - EDA	Z - other (specify)
Site:	SSOW#:				e C	55										1 !	contair	Other:	
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		Sample	(C=Comp, o=	waste/oil,		E E		- 1			1 1					'	3		
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) вт=ті		Ę							# N				$oldsymbol{\perp}$	P	Special In	structions/Note:
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Note: Since laboratory accreditations are subject to change, TestAmerica Laborat currently maintain accreditation in the State of Origin listed above for analysis/tes	ories, inc. piaces the s/matrix being analyz	ownersnip of n ed. the sample	netrioo, analyte & at s must be shipped	creditation of	compile restAm	ance u _l nerica I	ipon out Iaborate	subco orvor o	ontract is other ins	aporato struction	nes. II aswillb	nis sar ie prov	npie sn ided. A	ipment invicha	is forw: indes to	arded u accre	under ditatir	r chain-of-custody. If f	he laboratory does not
Laboratories, Inc. attention immediately. If all requested accreditations are currer	it to date, return the si	gned Chain of	Custody attesting to	said compl	icance	to Tes	stAmeri	ca Lab	oratorie	s, Inc.				,	ngoo to	. 400.00		on otatao onodia bo bi	ought to respanience
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Possible Hazard Identification					Sa					e may				-	es a	re ret	aine	ed longer than 1	month)
Unconfirmed					'		Return						al By	Lab		<u> </u>	<u>Arch</u>	ive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	able Rank: 2	2		Sp	ecial	Instru	ctions	s/QC F	Requir	emen	its:	_					-	
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Relinquished by:	Date/Time:		Com	pany		Rece	eived by	<i>i</i> :						Da	ate/Time	∌:			Company
Custody Seals Intact: Custody Seal No.:	226.	- 23	7			Coole	er Tem	peratur	re(s) °C	and Ot	her Rer	marks:	7	2 (\mathcal{O}^{\perp}	1	Σ.		
A Yes A No 1 2 2	$\prec \sim \sim$	\sim	ے ح د			1								١. ١	. ر	١.	.X		

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HOUSTON, TX 77040 UNITED STATES US SHIP DATE: 16MAY19 ACTWGT: 20.00 LB MAN CAD: 0758523/CAFE3211

BILL RECIPIENT

TO SHIPPING/RECEIVING
TESTAMERICA LABORATORIES, INC
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(232) 660 - 199

REF: 8600-68665



FedEx

Express

1 of 2 TRK# 4840 2906 1472 FR) - 17 MAY 3:00P Standard Overnight

NC BTVA

05403 RTV



ORIGIN ID:LKSA (713) 358-241 SAMPLE RECEIVING TESTAMERICA INC

HOUSTON, TX 77040 UNITED STATES US

SHIPPING/RECEIVING
TESTAMERICA LEGISTATORIES, INC.
30 COMMUNITY DRIVE
SULTE 11
SOUTH BURLINGTON VT 05403

(802) 660 - 1990

REF; 6600-68665

FedEx



2 of 2 MPS# 4840 2906 1483 Mstr# 4840 2906 1472 FRI - 17 MAY 3:00P STANDARD OVERNIGHT

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Page 25 of 33

5/28/2019

Eurofins TestAmerica, Houston

Phone (713) 690-4444 Fax (713) 690-5646

6310 Rothway Street Houston, TX 77040

Chain of Custody Record



eurofins:

Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:			Lab	PM: ner, D	ean	Α					Carner 1	Fracking N	lo(s):			COC No: 600-39533.1	
Client Contact	Phone			E-Ma	ail:							State of	Origin:				Page:	
Shipping/Receiving				dea		_		nericain				Texas				_	Page 1 of 1	
Company: TestAmerica Laboratories, Inc.							- Texa	quired (Si	e note	1;							Job #: 600-185398-1	
Address	Due Date Requeste 5/20/2019	:d:							Δna	lysis	Rea	ueste	М				Preservation Cod	es:
880 Riverside Parkway, ,	TAT Requested (da	vs):			1			T	Alla	lysis	Req	ueste	T		T		A - HCL B - NaOH	M - Hexane N - None
West Sacramento		4 -4				8											C - Zn Acetate	O - AsNaO2
State, Zip: CA, 95605							List										D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3
Phone	PO#.				111	10	Project				1						F - MeOH G - Amchlar	R - Na2S2O3 S - H2SO4
916-373-5600(Tel) 916-372-1059(Fax)					9	и.	Pro								1		H - Ascorbic Acid	T - TSP Dodecahydr
mail:	WO #.				0	<u>©</u>	28Day (MOD)				1 1						I - Ice J - DI Water	U - Acetone V - MCAA
Project Name.	Project #:				Yes .	20	ay (K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
TC WW-20190512-002-Day 10 05-12-19	60010840				- 응	Yes					1 1					auta	Other:	
Site	SSOW#:				Sample (Yes or No	SD	2100				1 1					ofc	otner:	
		Sample	Sample Type (C=comp,	Matrix (W=water, S=solid, O=waste/oil,	eld Filtered	Perform MS/MSD (Yes or No)	Nonylphenols/3510C									Total Number		
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)		惧	<u>a</u>	ž			-						Ĕ,	Special In:	structions/Note:
		11:30	Preservat		Y	X									-	$^{\times}$		
NW-20190512-002-Day 10 (600-185398-1)	5/12/19	Central		Water	Ш		X									2		
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Note: Since laboratory accreditations are subject to change, TestAmerica	Laboratories, Inc. places the	ownership of n	nethod, analyte	& accreditatio	n comp	pliano	e upon	out subco	ntract la	aborato	ries. Th	is samp	le shipme	nt is forwa	arded un	nder o	chain-of-custody. If ti	ne laboratory does not
urrently maintain accreditation in the State of Origin listed above for anal aboratories. Inc. attention immediately. If all requested accreditations ar	lysis/tests/matrix being analyze	ed, the sample	s must be shipp	ed back to the	e Test	Ameri	ica labo	ratory or o	ther ins	struction	s will be	provide	ed. Any ch	hanges to	accredit	tation	status should be bro	ought to TestAmerica
Possible Hazard Identification					S	Sam	ple Di	sposal	A fee	e may	be as	sesse	d if san	nples ar	re reta	ine	d longer than 1	month)
Inconfirmed							Retu	m To C	ient	-	\square_{D}	sposa	By Lab	l	□ _{Ar}	rchiv	ve For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	ble Rank; 2	2		S	Spec	ial Ins	tructions	JQC F	Requir	emen	s:						
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Ver: 01/16/2019

Eurofins TestAmerica, Houston

6310 Rothway Street Houston, TX 77040 Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record



eurofins

Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:				ab PM oiner	. Dea	n A					C	arrier Tr	acking	No(s):			COC No: 600-39527.1		
Client Contact:	Phone:			E-	-Mail:								tate of C	rigin:			\neg	Page:		
Shipping/Receiving	L			de				tameri				Т	exas				_	Page 1 of 1 Job #:		_
Company: TestAmerica Laboratories, Inc.						NELAF			990) 05	note).								600-185398-1		
Address: 1733 N. Padre Island Drive.	Due Date Requeste 5/20/2019	ed:			T				A	naly	sis l	Requ	este	i				Preservation Cod		
City:	TAT Requested (da	ys):				100				T								A - HCL- B - NaOH	M - Hexane N - None	
Corpus Christi State, Zip:																		C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S	
TX, 78408																		E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3	
Phone: 361-289-2673(Tel) 361-289-2471(Fax)	PO #:																	G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecah	hvdrate
Email:	WO #:					or NO)	m List											I - Ice J - DI Water	U - Acetone V - MCAA	yu.u.c
Project Name:	Project #:				\exists	or No)	usto										ners	K - EDTA L - EDA	W - pH 4-5	
ITC WW-20190512-002-Day 10 05-12-19	60010840					les d	o (ac										nta		Z - other (specify	у)
Site:	SSOW#:					SD (LVI (MOD) Custom										of co	Other:		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Type (C=comp, o	Matrix W=water, S=solid, =waste/oi		Perform MS/MSD (Yes	8270C/3520C_L\										Total Number	Special In	structions/Not	ite:
100 000 000 000 000 000 000 000 000 000	><	><	Preservation	Code	:)	\propto											M			
WW-20190512-002-Day 10 (600-185398-1)	5/12/19	11:30 Central	,	Water			X										2			
					4							_								
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Note: Since laboratory accreditations are subject to change, TestAmerica Laborato currently maintain accreditation in the State of Origin listed above for analysis/tests Laboratories, Inc. attention immediately. If all requested accreditations are current	s/matrix being analyze	ed, the sample	s must be shipped	back to	the T	estAme	erica la	aborator	y or othe	er instru	ctions	es. This	s sample provided	shipm I. Any	ent is for changes	warded u to accred	under ditatio	chain-of-custody. If to status should be br	he laboratory does ought to TestAmer	s not rica
Possible Hazard Identification						Sar					nay b					are ret	taine	ed longer than 1	month)	
Unconfirmed	D.:	LI- DI- 6			_	-		eturn 7					posal	By La	ь		Archi	ive For	Months	
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Delivera	ible Rank: 2	<u>.</u>			Spe	eciai	Instruc	tions/(JC Re	quire	ments								
Empty Kit Relinquished by:		Date:	4.4		Т	ime:	_		,			_	Met	nod of S	Shipment					
Relinquished by:	Date/Time:	11	000	7	A			d by:	ك	256	2		1		Date/Fin		7-1	19 9:32	Company	
Relinquished by:	Date/Time:		Com	pany				ived by:							Date/Tin	ne:			Company	
Relinquished by:	Date/Time:		Com	pany			Rece	ived by:							Date/Tin	ne:			Company	
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No							Coole	er Tempe	erature(s	s) °C an	d Othe	r Rema	irks:	2-(0	-	-C	0.6/-0	.5CX)
							_						- 11				_		Ver: 01/16/201	19

















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Eurofins TestAmerica, Houston

6310 Rothway Street Houston, TX 77040

Chain of Custody Record

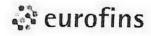


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Environment Testing TestAmerica

Phone (713) 690-4444 Fax (713) 690-5646																
Client Information (Sub Contract Lab)	Sampler			100,000	PM: iner, [Dear	A				Carrier Tra	acking No(s	3):		COC No 600-39534.1	
Client Contact Shipping/Receiving	Phone:			E-N de	1	iner@	gtestame	ericainc	.com		State of O Texas	rigin			Page: Page 1 of 1	
Company TestAmerica Laboratories, Inc.							tions Required - Texas		note)						Job #: 600-185398-1	
Address 5102 LaRoche Avenue	Due Date Requeste 5/20/2019	d:			1				Analys	is Re	questec				Preservation Cod	des:
City.	TAT Requested (da	ys):						П		10 110			TT	T	A - HCL B - NaOH	M - Hexane N - None
Savannah State, Zip															C - Zn Acetate D - Nitric Acid	O - AsNaO2 P - Na2O4S
GA, 31404								1	1		1 1	1	1	188	E - NaHSO4 F - MeOH	Q - Na2SO3 R - Na2S2O3
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO#.												1		G - Amchlor H - Ascorbic Acid	S - H2SO4 T - TSP Dodecahydrate
Email:	WO#				or No	(0)								yn .	I - Ice J - DI Water	U - Acetone V - MCAA
Project Name:	Project # 60010840				(Yes	ISD (Yes or No)								containers	K - EDTA L - EDA	W - pH 4-5 Z - other (specify)
ITC WW-20190512-002-Day 10 05-12-19 Site	SSOW#	-			ample	Ze								cont	Other:	
					Sar		-				1 1			0		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	The second secon	Field Filtered	Perform MS/N	531.1/ Carbaryl							Total Number	Special Ir	nstructions/Note:
Market State of the State of th		$\geq \leq$	Preservat	ion Code:	X	X				100				X		
WW-20190512-002-Day 10 (600-185398-1)	5/12/19	11:30 Central		Water	\perp		X		4	_	-			2		
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Note: Since laboratory accreditations are subject to change. TestAmerica currently maintain accreditation in the State of Origin listed above for ana Laboratories, Inc. attention immediately. If all requested accreditations are	lysis/tests/matrix being analyz	ed, the sample	es must be ship	ped back to	the Tes	stAme	erica labora	story or of	ther instru	ctions wil	This sample be provided	shipment d. Any cha	is forward	ded under ccreditati	r chain-of-custody. If on status should be t	f the laboratory does not brought to TestAmerica
Possible Hazard Identification						Sar	1						les are	retain	ed longer than	1 month)
Unconfirmed	Disease Dalling	-bla Dank	2			C		n To Cl			Disposal	By Lab		Arch	nive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank.	2			Spe	cial Instr	ructions	JUC RE	quireme	-77 H.YA.					
Empty Kit Relinquished by:		Date:			Tir	me:					Met	hod of Ship				
Relinquished by:	SI 10	1100	00	Company			Received		1	Ne			te/Time:	7-12	0105	Company Just V
Relinquished by:	Date/Time:			Company			Received I	by:				Da	te/Time:			Company
Relinquished by:	Date/Time:			Company			Received	by				Da	te/Time:			Company
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No							Cooler Ter	mperatur	e(s) °C an	d Other R	temarks:			5.	4/5.4	

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Environment Testing TestAmerica



600-185398 Field Sheet

peet ramento amento Notes

icking # 4840 2906 1391	SO /PO FO / 2-Day / Ground / UPS / Courie	r/GSO
	OnTrac / Goldstreak / USPS / Other	
is form to record Sample Custody Seal, Cooler Cus	stody Seal, Temperature & corrected Temperature & other obse	
the job folder with the COC.	rough odd, romporataro a domestica romporataro a otrior obse	- Valiono
	Therm. ID: AK7 Corr. Factor: 40	510
lotes:	/ /	. 3
	lce Wet Gel Other	
	Cooler Custody Seal: 732235	
177	Sample Custody Seal:	
111111	Cooler ID:	
111/1/1/1	/	SU
00000	Temp Observed: 2.4° Corrected: 2.9	
	From: Temp Blank D Sample D	
	NCM Filed: Yes \(\sigma\) No'\(\sigma\)	
	Yes N	NA
	Perchlorate has headspace?	pl.
	Alkalinity has no headspace?	É
	CoC is complete w/o discrepancies?	ם
	CoC is complete w/o discrepancies?	
	Sample preservatives verified?	p
	Cooler compromised/tampered with?	
	Samples compromised/tampered with?	
	Samples w/o discrepancies?	ם
	Samples w/o discrepancies? Sample containers have legible labels? Containers are not broken or leaking? Sample date/times are provided.	
	Containers are not broken or leaking?	
	Sample date/times are provided.	_
	Appropriate containers are used?	ם
	Zero headspace?*	M
· 图1994年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年,1995年	Multiphasic samples are not present?	ם
	Sample temp OK?	
	Sample out of temp?	
	Initials: So Date: SINA	
	*Containers requiring zero headspace have no headspace, or bubble < 0	mm (1/4")
		1

Client: Cardno, Inc Job Number: 600-185398-1

Login Number: 185398 List Source: Eurofins TestAmerica, Houston

List Number: 1

Creator: Crafton, Tommie S

		_
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4, 5.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Eurofins TestAmerica, Houston Page 29 of 33

Client: Cardno, Inc Job Number: 600-185398-1

Login Number: 185398

List Number: 2

Creator: McNabb, Robert W

List Source: Eurofins TestAmerica, Burlington

List Creation: 05/17/19 11:01 AM

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey neter.</td <td>N/A</td> <td>Lab does not accept radioactive samples.</td>	N/A	Lab does not accept radioactive samples.
he cooler's custody seal, if present, is intact.	True	732236, 732232
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or ampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.0°C, 1.8°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
s the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
here are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
here is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is 6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Client: Cardno, Inc Job Number: 600-185398-1

List Number: 185398 List Source: Eurofins TestAmerica, Corpus Christi
List Number: 3 List Creation: 05/17/19 10:24 AM

Creator: Viveros, Ashley D

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey</td <td></td> <td>Comment</td>		Comment
meter.	Truo	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

Eurofins TestAmerica, Houston

Client: Cardno, Inc Job Number: 600-185398-1

Login Number: 185398 List Source: Eurofins TestAmerica, Sacramento
List Number: 5 List Creation: 05/18/19 04:56 PM

Creator: Chang, Edric D

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	True	
The cooler's custody seal, if present, is intact.	True	732235
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

N/A

Eurofins TestAmerica, Houston

Residual Chlorine Checked.

Client: Cardno, Inc Job Number: 600-185398-1

Login Number: 185398 List Source: Eurofins TestAmerica, Savannah List Number: 4

List Creation: 05/17/19 02:25 PM

Creator: Nobles, Terry G

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins TestAmerica, Houston